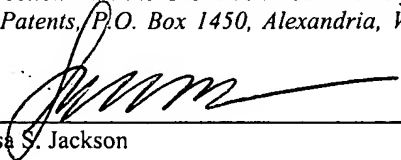


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PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 9, 2005.*

  
Vanessa S. Jackson

Applicant : Afshin Momtaz  
Application No. : 10/776,074  
Filed : February 11, 2004  
Title : HIGH FREQUENCY BINARY PHASE DETECTOR  
  
Grp./Div. : 2816  
Examiner : Not Yet Assigned  
  
Docket No. : 51463/RJP/B600

Confirmation No. 2103

**INFORMATION DISCLOSURE STATEMENT AND  
CERTIFICATION UNDER § 1.97(e)(1)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
June 9, 2005

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B with a listing of references that are known to applicant. Copies of each of the listed references except for the U.S. Patent(s) are enclosed.

It is respectfully requested that these references be considered in the examination of this application and identified on the list of references cited on the patent issuing on this application. Applicant also requests that an initialed copy of said FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Applicant's undersigned attorney hereby certifies, in accordance 37 CFR § 1.97(e)(1), that each item of information contained in the information disclosure statement was first cited in

**Application No. 10/776,074**

any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By



Stephen D. Burbach

Reg. No. 40,285

626/795-9900

SDB/vsj

Enclosures: PTO/SB/08A/B w/references

VSJ PAS627366.1-\*06/8/05 2:08 PM

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (use as many sheets as necessary)	<b>Attorney Docket Number</b>	<b>51463/RJP/B600</b>
	<b>Application Number</b>	10/776,074
	<b>Filing Date</b>	February 11, 2004
	<b>Applicant(s)</b>	Afshin Momtaz
	<b>Group Art Unit</b>	2816
	<b>Examiner Name</b>	Cassandra F. Cox

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		4,330,759	05-18-1982	Anderson

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Communication from the European Patent Office dated May 2, 2005; European Search Report for Application No. 04026609.
		LEE, T. H., et al. "A 155-HZ Clock Recovery Delay - and Phase-Locked Loop." IEEE Journal of Solid State Circuits, vol. 27., no. 12, 1 December 1992, pp. 1736-1746.
		SARI, H., et al. "Phase and Frequency Detectors for Clock Synchronization in High-Speed Optical Transmission Systems." European Transactions On Telecommunications and Related Technologies, vol. 5, no. 5, September - October 1994, pp. 101-107.
		GLASFORD, G. "Digital Electronic Circuits ." Chapter 8: Bistable Circuits, Theory, Design, and Applications, pp. 358-361, Prentice Hall, New Jersey, 1987.

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EXAMINER SIGNATURE	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.	

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE